

INDEX TO VOLUME I

- Adam Smith, 33.
 Address of welcome, 26.
 Agreement, employer and, 146; and non union men, 146; works both ways, 191.
 Agricultural interests and protection, 60.
 American Economic Association, 1.
 "American Industries," 164.
 American invasion, 43.
 Annual meetings, 1.
 Anthracite Coal Commission and open shop, 173.
 Anti-union bodies, methods of, 167.
 Apprenticeship, 141.
 Apprentices, limitation of, 197.
 Arbitration of grievances, 147.
 Assistant secretary, 12.
 Bank credit, 109-110.
 Banking credit, governed by the quantity of money, 114.
 Bank reserves, a check to unlimited credit, 112.
 Banks as instruments of credit, 101.
 Book credits, 104-106.
 Burial and benevolent societies, 195.
 By-laws, 5.
 Civic Federation and trade union, 164.
 Closed and open shop, earlier meaning, 143; not clearly defined, 160.
 Closed shop, and labor papers, 171; and street railways, 153; and tariff, 142; constructive work of, 175; implies a contract, 182; contract in the courts, 149; in theory, 161; when unnecessary in private employment, 152; wide diversity in meaning, 213; opposition to, 209; and employer, 162, 182.
 Clothing workers and open shop, 172.
 Collective bargaining and the Manufacturers' Association, 165.
 Collective bargain principle, 202.
 Committee. See Report.
 Competition of the U. S. and prices of food products in Europe, 42.
 Conflict, the irrepressible, 195.
 Constitution, 3.
 Contract, closed shop and employer, 162.
 Council, 8; meeting, minutes of, 12; new members of, 14.
 Credit, 98; a system of balanced forces, 88; action of, on prices, 102; circulating and fixed forms of, 103; distinction between fixed and circulating, 120; law of supply and demand applied to, 85; normal effect upon prices, 108; relation to increased volume of trade, 88; relation of to price level, 81; use of, 132; when a substitute for coin, 108.
 Credit mechanism, service of, 86.
 Credit system and demand for more means of exchange, 89; effect of, 93-94.
 "Dead levels," 180.
 Demand for a medium of exchange not a demand for gold, 80-81; for gold and value of money, 69.
 Discrimination, 170.
 Doctor's dissertations, list of, 21.
 Dumping, abnormal condition of, 40; relation to monopoly, 41; dumping goods in foreign countries, 39.
 Economic, advance of the U. S., causes of, 54; literature, foreign, 23; problems, popular discussion of, 34.
 Economic theory, revision of, 30; and young industries, 40-7.
 Employer, and contract for closed shop, 162; and present issue, 162; compelling men to join union, 193; of present day, 192; unreasonable; 198; association of, 167.
 England, free trade in, 29; economists of, 202; dumping ground for sugar, 40.
 England's economic advance, causes of, 53.
 Expansion of bank reserves without expansion of credit, 113.
 Export bounties on sugar, 40.
 Exports of food and new countries, 42.
 Fair day's work for fair day's pay, 208.
 Farmer and home market, 33.
 Food exports and new countries, 42.
 Food supply, sources of, for civilized world, 44.
 Foreign trade, object of, 33.

- France, restrictive régime in, 49.
 Free contract, 169.
 Free trade, fundamental principles of, unshaken, 63; in England, 29; in United States, 29, 30.
 Function of money, 87.
 Garment makers, 173.
 Germany, recent economic development of, 54.
 Gold, effect of annual production on prices, 69; influence of other forms of money on, 68; new supply of and high prices, 76; scarcity or plenty of, 132; value of money influenced by demand for, 69.
 Home market and the farmer, 33.
 Immigration, 168; and cheap labor, 37.
 Immigrants and the American standard, 38.
 Industrial peace, 192.
 Industries, protection to young, 45.
 Industry, diversion of into new channels, 47; factor stimulating, 56.
 International trade, mercantilist view of, 32; stability of theory of, 58.
 Joint boards of conciliation, 211.
 Labor, judicial decisions on, 142; relation of value to, 137; absorption of unskilled, 39; advantages of pooling, 201; relation to immigration, 37; problems of union, 158.
 Labor papers and the closed shop, 171.
 Labor, underpaid without joint bargaining, 200.
 Legislative problems and protection, 36.
 Limitation of output, 184; to expansion of credits, 106-107.
 "List" on raw materials and protection, 45.
 Malthusian reasoning, revival of, 44.
 Manufacturers' Association and collective bargaining, 165.
 Marginal utility and medium of exchange, 119.
 Media of exchange, wide choice, prevents contraction, 78-9.
 Meetings, annual, 1.
 Members, number of, 13.
 Mercantilist view of international trade, 32.
 Minutes of council meeting, 12.
 Monetary unit and standard of value, 138.
 Money, a peculiar commodity, 85; and the law of supply and demand, 128; devices, 100; function of, 87; inadequacy of old reasoning about, 78; in relation to final utility, 129; law of decreasing utility of, 130; marginal utility of, 92; meaning of, 67; not keeping pace with new volume of transaction, 77; purchasing power of, 122; quantity of, 95; quantity of, 137; quantity of does not fix level of prices, 74; quantity of, influence on price, 72; subjective and objective value of, 122; value of affected by business done, 97; value of affected by mobility, 96; value of, and standard money, 136; value of, depends on demand and supply, 99; value of, differs from ordinary commodity, 126; old reasoning on inadequate, 78; value of, 92.
 Monographic material, suitable for publication, 22; supplements, 2.
 Monopoly and dumping, 40.
 Negro, 14; churches, value of, 221; economic position of, 216; gainful occupations of, 218; males under 16, 217; wealth of, 220; clergymen in U. S., 219.
 Negro family, female members, 217; income of, 217.
 Non unionist a menace, 154.
 Non-union man in the open shop, 188.
 Officers, and contributors, 2; for 1905, 7.
 Open or closed shop, a question of competitive conditions, 169; legal side of, 171; difficulty of defining, 160.
 Open shop and Anthracite Coal Commission, 173; and sweat shop, 156; and trade unions, 163; and Typothetae of America, 165; rallying cry, 214; benefit or harm to employee, 199; controversy, 140; from employer's point of view, 144; in England, 166; in the clothing industry, 172; union cannot survive, 155; will it benefit employer? 198; real, 189; agreements, conditions of, 145, 146, 149. See Closed Shop, Union.
 Open union, 145.
 Opportunism, policy of, 57.
 Organized labor vs. organized capital, 203.
 Pace maker, the, 196.
 Pages published in 1904, 13.
 Parryism, 174-5.
 Population, employment of, changing, 43.
 Price, definition of, 67, and note; forces adjusting, in market, 73; in-

- fluence of quantity of money on, 72; in relation to productivity, 133; level, 123; realized by labor, 201.
- Prices and new supply of gold, 76; causes for variation in, 70; effect of annual production of gold on, 69; forces acting on the general level of, 71; general level of determined, 135; of food products in Europe and competition of U. S., 42; retardation of the rise of, 90-1; pivotal issues in theory of, 82-3.
- Program of seventeenth annual meeting, 17.
- Prosperity and protective legislation, 63; and protective system, 34.
- Protected industries, and cheap labor, 38; and high priced labor, 37.
- Protection and agricultural interests, 60; and iron industries in U. S. and Germany, 46; and legislative problems, 36; and militant policy, 60-1; effective arguments for, 60; effect of on wages, 35; growth of, 30; in U. S. since 1860, 50; to young industries, 45, 49, 51; results of, 49.
- Protective, legislation and prosperity, 63; policy in U. S., causes for, 62.
- Protective system, 38; system and prosperity, 34.
- Publication committee, see Report.
- Publications of Am. Econ. Assoc., 2.
- Quantitative relations between bank reserve and deposits, 111.
- Quantity of money, 95; influence on price, 72; not a factor in fixing level of prices, 74.
- Quarterly Journal of Economics, cooperation with, 24.
- Raw materials and protection, List on, 45.
- Report, committee on economic position of the American negro, 216; of committee on resolutions, 17; of publication committee, 14, 16, 21; of the secretary, 12; treasurer's, 14.
- Reserve money, 87.
- Reserves, need of to banks, 118.
- Restrictive régime in France, 49.
- Secretary, report of, 12.
- Servants, negro, 217. See Negro.
- Seventeenth annual meeting, program, 17.
- Shop, closed to union men, 186; discipline, 183; rules, unreasonable, 212; personal feeling in, 155. See Closed Shop, Open Shop.
- Smith, on England and France, 53.
- Strike, right to, 148; in Colorado, 166.
- Strikes, 140.
- Subscribers, number of, 1.
- Sugar, export bounties on, 40.
- Supplements, monographic, 2.
- Supply and demand, law of and credit, 85.
- Sweat shop and open shop, 156.
- Tariff and closed shop, 142; barriers, wages in United States dependent on, 36.
- Taxes on commodities borne by producer, 34.
- Tax on incomes, a tax on foreigners, 34.
- Theory of international trade, stability of, 43, 58; of purchasing power, 75.
- Trade agreements, 148; unionizing of, 151.
- Trade union and Civic Federation, 164; and government and municipal employment, 151; objection to open shop, 163.
- Treasurer's report, 14.
- Typothetæ of America and the open shop, 165.
- Union, benefit of to employer, 205; chief struggle of, 163; closed shop, 178-180; enemies of, 176; officers and shop rules, 150; recognition of, 187.
- Unions, and reserve funds, 157; benefits of, 179; charges against, 196; equalize wages, 206; in Chicago, 204; will maintain closed shop, 199; when forced to stand for closed shop, 149; advantages secured by, 199; enemies of, 176; necessity of, 205, 295. See Closed Shop, Open Shop.
- Union shop, historical steps toward, 145; rules, 209; see Closed shop, Open shop.
- United States, causes of economic advance, 54; causes for protective policy, 62; peculiar industrial condition in, 166.
- Unskilled masses, absorption of, 39.
- Value, 66 footnote; labor, relation of to, 137; of commodity money, 85; of gold bullion and extension of credit, 125; of gold, influence of other forms of money on, 68.
- Value of money, see Money.
- Velocity of circulation, 124.
- Wages, affected by protection, 35; high, cause of, 35; in U. S. dependent on tariff barriers, 36; rela-

- | | |
|--|--|
| tion to citizenship, 208. See Protection. | Workingman can only advance through union, 206. |
| War and militarism as stimulating factors to industry, 56. | Workmen, combinations of, 214 ; high priced, 37. |
| Workday, shorter, 185. | Zollverein, 49. |

INDEX TO PART II, VOL. VI

- Administrative tribunal, powers of, 28.
Ad valorem taxing systems, 52; vs. income tax, 72.
 Agrarian Revolution, 151.
 Agriculture, history and growth of, 167.
 Alabama Midland case, 49.
 American-Canadian economic dependence increasing, 141.
 Ames vs. Union Pacific Railway, 25.
 Anglo-Saxon federation, 142.
 Anti-Canadian clauses in the Dingley tariff, 82.
 Ashley, Prof. W. J., 137.
 Atlanta Journal, 45.
 Basis of state board's valuation, 69.
 Bastable, Prof. C. E., 138.
 Bibliography of economic works, preparation of, 176.
 Bounty from British taxpayer, 91.
 British Colonies, preferential policy of, 125; preferential tariffs in, 120 ff.
 British Empire League, 136.
 British Empire, resources of, 97.
 British coasting trade opened to world competition, 117; exports to Canada and Newfoundland, 86; imports, Canadian preference for, 83, 111; taxpayer, bounty from, 91.
 Canada, British exports to, 86; imports into from United Kingdom, 99; in favor of the preferential system, 96; national policy of, 143; preferential trade with Britain, 80; preferential treatment of, 95; rate upon imports into, 93; United States a market for, 104; United States capital in, 142; United States tariff unfair to, 104.
 Canadian, agricultural products, 145; belief in reciprocity, 120; imports, 124; imports from United States, 89; imports from United States, causes for, 90; industrial life, 101; manufacturers object to competitors in Britain, 87; preference for British imports, 83, 111; production, increase of, 102; prosperity and far west, 104; relation to Great Britain, 144; resources, 140; transport system, 101.
 Capitalization of good will, 65; of railways, 58.
 Carnegie Institution, report of board of trustees, 162; work of, 161.
 Chamberlain, speech of, at Birmingham, 134.
 Colonial policies, development of, 135.
 Colonies and mother country, relation of, 98; economically an expense to Great Britain, 136.
 Commerce, study of, 170.
 Commission decisions before the Supreme Court, 46; decisions of, 49; findings of put into immediate effect, 37; judicial review of, 40; prosecuting character of, 40; without authority to prevent discrimination, 23.
 Commons, appropriation of, 149.
 Concerted policy on rates, 42.
 Congress and holding company, 8; and power of regulation, 7; and rates, 28.
 Consequences of Interstate Commerce law, 64.
 Conservative leaders and tariff reform, 81.
 Control of railroad rates, 36; vs. ownership, 10.
 Co-operative literary undertakings, 183.
 Corporation charter, a necessary factor, 3.
 Corporations in New York, 3.
 Council of A. E. A., suggestions of, 163.
 Courts and intolerable delay, 42; preferential rates, power over, 27; review by, 18; should have supremacy, 46.
 Cuban treaty, 112.
 Cunningham, Prof., 135.
 Decisions of Commission, 49.
 Dingley tariff, anti-Canadian clauses in, 82.
 Discrimination, Commission without authority to prevent, 23; unjustifiable, 32.
 Economics and sociology, department of, 163.
 Economic and political aspects of governmental interference, 18.

- Economic science, advance of 189.
 Economic history of United States, 164; method of compiling, 180; value of, to economists, 186; vs. history proper, 183.
 Economic investigation in United States, 188, 190.
 Elgin treaty, 100.
 England, inclosure movement in, 147.
 Evils of railway systems, 29.
 Excessive taxation, 74.
 Feudalism, political and economic system of, 137.
 Finance, study of, 175.
 Findings, of commission, be put into immediate effect, 37; of State Board of Assessors of Michigan, 65.
 Fiscal system, 139.
 Ford bill, operation of, 76.
 Franchise value, judicial recognition of, 54.
 Free trade and reciprocity, 107; within the Empire, 126.
 General property of railways, basis of taxation, 52.
 Governmental interference, economic and political aspects of, 18.
 Government control of railway rates, 20.
 Government must make or test railroad rates, 38; right of, to regulate prices, 79.
 Graduated taxation and the trust, 11.
 Grand Trunk Pacific, a national road, 102.
 Great Britain, Canadian relation to, 144; colonies an expense to, 136; preference will aid, 89.
 Historian, official, 196.
 Holding company and Congress, 8.
 Imperial Federation League, 136.
 Imports into Canada from United Kingdom, 99.
 Inclosure movement, an economic benefit, 158; in England, 147.
 Inclosures, agricultural, effects of, 149; differentiation between, 158; during Tudor period, 149; government inquiries relating to, 150; opposition to, 152; opposition to, in Tudor period, 155; restraining influence upon, 156; two types of, 147.
 Industrial combinations, regulation of, left to states, 1.
 Industrial organization, study of, 173.
 Industrial trusts, a product of natural conditions, 2; organized under statutes, 6.
 Interstate Commerce Commission, 35; and Supreme Court, 17; expert body for rate making, 41; findings of, when to go into effect, 45; work of, 43.
 Interstate Commerce Law, 32, 34, 36; consequences of, 64.
 Investigation of economic conditions, 191; of published rates, 26; topical arrangement of results, 192.
 Investor limited to a fair return, 61.
 Johnson, Prof. Emory, 75.
 Judicial recognition of franchise value, 54.
 Judicial review of commission, 40.
 Ket's rebellion, 148.
 Labor movement, study of, 172.
 Laurier, Sir Wilfred, and protection, 81.
 Law, technically violated, 34.
 Legislation, trusts produced by, 4.
 Liberal Government between two fires, 82.
 Liberal Party opposed to preferential principle, 80; policy of, 143.
 Licenses given by states, 6.
 McKinley and Dingley tariff, 100.
 Maintenance of rates, 37.
 Manufactures, study of 169.
 Marshall, Alfred, 157.
 Maximum rates, "a big stick", 115.
 Michigan *ad valorem* tax law, 65; Board of State Tax Commission, report of, 68.
 Michigan Central, taxation of, 67.
 Michigan plan and "average rate", 78; an income tax, 65; practical application of, 67.
 Michigan law, an *ad valorem* law, 70.
 Mining operations, study of, 168.
 Money and banking, study of, 171.
 Most favored nation clause, 106.
 National incorporation law, 12; policy in Canada, 143.
 North-Western R.R., net earnings of, 70; tax bill, 77.
 Patent policy, study of, 194.
 Peculiar element of value in railway property, 76.
 Pooling, Sherman anti-trust law and prohibition of, 36; United States must authorize, 39.
 Population and immigration, study of, 166.
 Preference, advantage of, to Great Britain and Canada, 108; will aid Great Britain, 89.
 Preferential clauses applicable to British Empire, 94; policy of British

- Colonies, 125; principle, Liberal Party opposed to, 80; rates and ordinary courts, 27; system, Canada in favor of, 96; tariffs in British Colonies, 129 ff.; tariffs, meaning of, 137; trade between Britain and her colonies, 80; trade with Canada and Britain, 80; treatment of western grain, 143.
- President, ally of Commission views, 35.
- Profits of railroads, 64.
- Prosecuting character of Commission, 40.
- Protection and reciprocity, 130-1; and Sir Wilfrid Laurier, 81; influence of, 194.
- Protective controversy, new stage, 132.
- Property of railroads, basis for taxation, 52.
- Published rates, investigation of, 26.
- Policy of limited reciprocal preferences, 127.
- Publicity and over-development of the trust, 10.
- Railway abuses, 41.
- Railway property, social taxation of, 62; peculiar element of value, 76; taxation of, according to value, 52.
- Railway rates, governmental control, 20; government make or test, 38; control of, 36.
- Railway systems, evils of, 29.
- Railway taxation in states and territories, 51; trend of, 51.
- Railways, and taxes, 77; cannot get redress, 48; capitalization of, 58; no longer private institutions, 38; peculiar property, 63; private institutions, 31; profits of, 64; property of, basis of taxation, 52; property of, unit value in valuation, 53; quasi-public property, 62; right to use facilities, 21; surplus value of, monopolistic, 59; surplus value inherent in property of, 55.
- Rate making commission in states, 44.
- Rates, adjustment of, 39; and Congress, 28; concentrated policy on, 42; maintenance of, 37; measures for securing uniformity to standard, 22; of railway, governmental control of, 20; relation to commodities and communities, 25; standpoint of general public on, 47; schedule of, 26; upon imports into Canada, 93.
- Rebates, impossible to stop, 39; prevention of, 42.
- "Rebate system," 31.
- Reciprocal preference, 127; policy of, 106.
- Reciprocity, 99; a distant prospect, 112; and free trade, 107; and protection, 130-1; as a practicable tariff reform, 129; as local issue in United States, 132; by special treaty ineffective, 130; Canadian belief in, 120; factor in Canadian elections, 102; fails to keep tariffs low, 114; of duties, act of 1823, 116; sentimental basis of, in Canada, 133; theory of, 110; treaties in United States, 127; with the United States, 100.
- Regulation, and just standards of rates, 24; and selling company, 9; of industrial combination left to states, 1; theory of, 30; two ideas of, 26.
- Report of the Michigan Board of State Tax Commission, 68.
- Review by courts, 18.
- Roseberry, Lord, 140.
- Schedule of rates, 26.
- Selling company and regulation, 9.
- Sheep-farming, 154.
- Sherman Anti-Trust Law, 4, 13; and prohibition of pooling, 36.
- Social legislation, study of, 174; taxation of railway property, 62.
- Standard Oil Company, 33.
- State Board of Assessors of Michigan, findings of, 65.
- State Board's valuation, basis of, 69.
- State, limiting power of, 5.
- Statute of Merton, 147.
- Stock, evidence of membership in a common enterprise, 5.
- Students, opportunity for, to engage in research, 177.
- Surplus value inherent in property of railway, 55; of railway, monopolistic, 59.
- Supreme Court and Interstate Commerce Commission, 17; commission decisions before, 45.
- Syllabi of economic history, 195.
- Tariff, advantage of lowering, 107; case of special reduction, 109; policy of 1897, 82, 93; reform and conservative leaders, 81.
- Taxation, excessive, 74; in proportion to income, 64; of Michigan Central, 67; of railway property, according to value, 52.

- Theory of regulation, 30.
Three field system, disappearance of, 146.
Trade currents effected by treaties, 103.
Trade, study of, omitted, 192.
Transportation, study of, 170.
Trend of railway taxation, 51.
Trust and graduated taxation, 11 ; definition of, 1 ; industrial, product of natural conditions, 2 ; publicity and over-development of, 10 ; produced by legislation, 4.
Tudor period, inclosure during, 149.
United States, a free trade area, 139 ; as a market for Canada, 104 ; Canadian imports from, 90 ; Industrial Commission, 41 ; must authorize pooling, 39 ; reciprocity treaties in, 127 ; tariff unfair to Canada, 104.
Unit rule in valuation of railway property, 53.
Unjustifiable discrimination, 32.
Walker, Gen. Francis A., 160.
" Wholesale and retail idea ", 32.
Works, collaborated, faults of, 177.

INDEX.

- Admiralty, board of, lets mail contracts, 5, 10; condemns iron ships and screw propellers, 11; subventions, results of, 215.
- Aftalion, M. Albert, on Germany's policy, 91.
- Alley, Mr., on Pacific Mail Subsidy, 157-158.
- Argyll, Duke of, on mail contracts, 10.
- Australian mails, 29-34; 36-37.
- Austria; postal subventions, 112-113; results of subsidy policy, 124; trade and navigation bounties, 114-123.
- Austrian Lloyd Co., 118.
- Austro-Hungarian Lloyd Co., 113.
- Balfour, Gerald, on the new Cunard Subsidy, 21.
- Belgium, 146-148.
- Bibliography, 219.
- Blaine, J. G., on American shipping, 204; criticism, 205, 206, 209.
- Bounties and taxes, Cournot's theory of, 183-184; Prof. Marshall's theory of, 184-195; applied to industries of constant costs, 185-187; industries of increasing costs, 187-189; industries of decreasing costs, 189-193; deductions, 193-195.
- Bounties, for construction, 43, 44, 45, 55; on export, 198-201; tariff a concealed bounty on export, 199-201; *vs.* protective duties, 172-174; permanent, argument for, 183-185.
- Brazil, 159.
- Bremen and Havre lines, 150, 151.
- British service, *see* Great Britain.
- Bulgaria, 148, 149.
- Cabotage français, 52 n.
- Cabotage international, 52, 52 n., 61, 62, 66, 79.
- Cannon, J. G., speech on subsidies, 174.
- Chargeurs Réunis, 75.
- Charters of limited liability, 8.
- China, mails, 29; trade with, 161, 162, 163, 164.
- Collins, E. K., 150, 152.
- Collins line, 150, 152, 153, 154, 155, 166.
- Compagnie de navigation mixte, 71.
- Compagnie Fraissenet, 71, 75.
- Compagnie Générale Transatlantique, 68, 71, 77.
- Cost of construction in France, 47; comparative, 177-182.
- Cournot's theory of taxes and bounties, 183-184.
- Cramp, C. H., on American shipping, 203-204.
- Cunard Co., 5-23.
- Cunard, Samuel, 5, 8, 14.
- Denmark, 145-146.
- East Indian mails, British, 28, 29, 34, 35, 36.
- Effects, of Austrian subsidies, 124; of bounties to offset greater costs, 197; of bounties to increase tonnage, 197-198; of British subventions, 20, 24, 37, 38, 39; of French subsidies, 79, 84; of German mail subventions, etc., 92-95; of Italian subsidies, 109-111; of Japanese subsidies, 143-145; of United States subventions, 154, 165.
- Fishing bounties, British, 2, 4; French, 43.
- Flag, does trade follow the? 210-213.
- France—compensation d'armement, 60, 63, 64; construction in French yards, 57, 58; law of 1881, p. 43; law of, 1893, p. 50; law of 1902, p. 59; maritime construction, 51; maritime navigation, 51.
- Freight charges in international exchange, 203-210.
- Free trade, *see* Protection.
- Frye, Henry, on Cunard Co., 9, 11.
- Galway line, The, 23-24.
- German commerce, growth of, 86-87; East Africa line, 89; Levant line, 89, 90, 91; mail subventions, 84-

- 89; preferential railway rates, 91-92.
- Giddings, Prof. F. H., 50.
- Girretti, E., on Italian bounties, 108.
- Great Britain—Cunard line, 5-22; Galway line, 23-24; Great Western Co., 6-7; Mail subvention, 5-42; Pacific Co., 26-27; Peninsular and Oriental Co., 27-38; results of subventions, 38-42; West Indian and South American mails, 24-26; British service, 29, 35, 36, 37.
- Great Western Co., The, 6-7.
- Guyot, M. Yves, 58.
- Hamburg-American line, 88; carried British mails, 14.
- Handelsarchiv, 140.
- Holland, 136-138.
- Hungary, bounties on construction, 125-127; bounties on navigation, 123-125.
- Infant industry argument, 174-182.
- Inman line secures mail contracts, 14, 15.
- Inman, Wm., bids for mail contracts, 13.
- International Mercantile Marine Co., 20-21, 22-23.
- Italy, decree of 1900, 105-106; law of 1886, 98-102; law of 1896, 102-105; mail subventions, 106-109.
- Japan, earlier legislation, 139-141; effects of bounties, 143-145; law of 1896, 139-141; laws of 1899 and 1900, 141-142; trade with, 161-164.
- Jwasaki Yataro, 139.
- Limited liability, 8.
- Lindsay, W. S., on the Cunard contracts, 6; on the West Indian service, 25-26.
- Mail contracts, reports of select committee on, (1846) 6-7; (1852) 7-8; (1868) 15-16.
- Marshall, Prof. Alfred, 184; his theory of bounties and taxes, 184-195; applied to industries of constant costs, 185-187; industries of increasing costs, 187-189; industries of decreasing costs, 189-193; deductions, 193-195.
- Merchant marine as school for war navy, 216.
- Messageries Maritimes, 71-75, 77.
- Monopoly by Cunard line, 8-9.
- Navigation Acts, 1-2.
- Navigation au long cours, 52 and note.
- Navigation bounties, 44, 45; theory of, 182-3.
- Neapolitan bounties, 96.
- Nippon Yusen Kaisha, 139, 141, 142.
- North American mails, 5-24.
- North German Lloyd, 85, 86, 93; carries British mails, 14.
- Osaka Shosen Kaisha, 141, 142.
- Pacific Company, The, 26-27.
- Pacific Mail Steamship Co., 152, 160, 161, 164.
- Peninsular and Oriental Co., 27-38.
- Post office department condemns screw propeller, 11; lets mail contracts, 13; objects to mail contracts, 10, 12.
- Postal subventions, by Great Britain, 18-20; true principle of, 214-215.
- Prime de navigation, 60.
- Primes d'armement, 43.
- Protection and national wealth, 216-218; and corruption, 216-218; and free trade, relation to nationalism, 201 n.
- Rhodes, Thos., on British mail subventions, 11-12, 17.
- Root, J. W., on effects of British mail subventions, 40-41.
- Russia, Black Sea navigation Co., 129; effects of subsidies, 133; mail and navigation bounties, 129-133; subsidies apportioned, 130, 131; volunteer fleet, 129.
- Select committee on mail contracts, (1846), 6-7; (1852), 7-8; (1868), 15-16; on steamship subsidies (1901), 23.
- Siegfried, M., on French subsidies, 46-47.
- Sloo, A. G., 150, 152.
- Smith, Adam, on fishing bounties, 3, 176.
- Società Florio e Rubaltino, 106.
- Spain, 127-129.
- Stabilimento Technico Triestino, 120, 122.
- Steamships, demand for, inelastic, 196-197.

Steam tonnage, increase in leading countries, 57.

Sweden and Norway, 136-139.

Tariff, the, a concealed bounty on export, 199-201.

United States and Brazil Steamship Co., 158.

United States; California, Oregon and Mexican line, 160, 161; Collins line, Commercial Navigation Co., 164; costs and result of the first subsidy experiment, 156, 164, 165;

Cunard line, 153; decline of shipping, 165, 166; law of 1891, 166-169; mail routes, 168; Ocean Steam Navigation Co., 151; Pacific Mail Steamship Co., 152, 160, 161, 164; subsidy bills recently in Congress, 169-171; trade with Brazil, 159-160; with China and Japan, 161, 162, 163, 164.

Wealth of Nations, 3, 176.

West Indian and South American mails, 24-26.

INDEX

- Accidents, reporting of, 48, 49, 54, 168, 169, 170, 171; protection against, *see* elevators; fire escapes; machinery, guarding of, etc.
- Act of 1853 (ch. 185), 8.
- 1874 ("421), 7, 8, 33, 80.
- 1876 ("372), 7, 8.
- 1881 ("298), 4, 5, 64.
- 1883 ("93), 15, 16.
- 1883 ("356), 24, 25.
- 1886 ("409), 4, 24, 28-46, 47, 48, 49, 50, 55, 71, 106, 109, 114, 115, 125, 126, 197, 198.
- 1887 ("462), 47-50, 52, 103, 156, 172.
- 1888 ("145), 7.
- 1889 ("560), 50-54, 55, 94, 115, 126, 149, 172.
- 1890 ("398), 54-57.
- 1892 ("673), 57, 58.
- 1893 ("173), 58, 59.
- 1894 ("671), 80.
- 1895 ("988), 80.
- 1896 ("384), 63-66.
- 1896 ("606), 80.
- 1896 ("991), 58-63, 71-73, 115.
- 1897 ("415), 47, 66, 84, 204-213.
- 1899 ("192), 66, 67.
- 1899 ("375), 66, 67.
- 1901 ("9), 67, 68, 106.
- 1901 ("306), 67, 68.
- 1901 ("475), 67, 68.
- 1902 ("600), 68, 69.
- 1903 ("184), 70-80, 86, 87, 88, 139-142.
- 1903 ("459), 70, 80-85, 86, 87, 88.
- Administration of factory law, 3, 46, 47, 48, 56, 105-108; *see also* factory inspector's office, deputy factory inspectors, reports of factory inspector.
- Administration of mercantile law, 65, 66.
- Adult men, regulation of employment of, 10, 30, 49, 57, 93, 97, 168-173.
- Affidavit of age, *see* age, evidence of.
- Age, evidence of 9, 38, 41, 44, 46, 59, 62, 63, 70, 71-78, 99-102, 115, 122-139, 141, 142.
- Age limit, 37, 39, 40, 41, 42, 44, 46, 49, 50, 51, 94, 95, 98, 99.
- Ainsworth bill, 64.
- Albany, 15, 27, 28, 30, 32, 34, 36, 41, 45, 86, 120, 121, 141, 148.
- Albany Press, 77.
- Alger, 90.
- American Journal of Sociology, 90.
- Amsterdam, 110, 146, 147.
- Analysis of labor laws, 199-203.
- Appellate Division of Supreme Court, 92, 93, 96, 102, 103.
- Apprenticeship, regulation of, 4.
- Arbitration, bureau of mediation and, *see* bureau of mediation and arbitration.
- Arithmetic requirement, 60, 84.
- Arsenic, work on, 40.
- Artificial flower making, 111.
- Assembly, *see* legislature.
- Bakeries, 2, 3, 88, 111, 146, 147.
- Baptismal record, 78, 142.
- Bell Telephone case, 22.
- Belt shifters, 48, 90, 170.
- Birth certificate, 75, 78, 142.
- Blair, George, 25, 34.
- Bloom, Jacob, 16, 17.
- Boards of education, 102, 107.
- Boards of health, 65, 107.
- Board of Health of New York City, 15, 17, 42, 139, 140, 141, 142.
- Board of health certificate, *see* employment certificate.
- Boiler inspection, 67, 168.
- Brick making, 40.
- Brooklyn, 18, 21, 39, 58, 128, 142, 148.
- Brooklyn Times, 77.
- Buffalo, 15, 24, 141, 148.
- Buffing, *see* machinery, dust-creating.
- Buildings, unsafe, 58.
- Bureau of Labor Statistics, 24-27, 31, 35, 39, 43, 68, 106, 107, 108; reports of, 26, 27, 43, 44, 109, 110, 111, 112, 113, 114, 145, 146, 147, 155, 171.
- Bureau of Mediation and Arbitration, 35, 39, 68, 106.

- Burns vs. Nichols Chemical Co., 92.
- Candy manufacture, *see* confectionery.
- Census of the United States, 113, 125, 126, 127, 132, 133, 134, 136, 137, 138, 145, 159, 160, 161, 162, 167.
- Central Federated Union of New York City, 86.
- Certificate, *see* confirmation certificate, employment certificate, physician's certificate, vacation certificate, etc.
- Charitable organizations, 5, 8, 15, 28, 29, 30, 33, 41, 43, 85, 86, 107, 110.
- Chelsea Jute Mills, 77, 99, 100, 102.
- Child Labor Committee, *see* New York Child Labor Committee.
- Children, conditions of employment prior to 1886, 109-114; conditions of employment affected by factory law, 114-124; effect of factory law on number employed, 124-132.
- Children's Aid Society, 28, 31, 32, 33, 111.
- Cigar Maker's International Union, 11-23.
- Cigar maker's strike, 12, 14, 15.
- Cigar making, children in, 13, 18, 40, 111; in tenement houses, 11-23, 40, 89; women and minors in, 13, 18, 145, 146, 147; tenement-house cigar law, 11-23, 89.
- Civil War, 34.
- Cleaning machinery, *see* machinery.
- Clothing manufacture, 145, 146.
- Cohoes, 34, 39, 61, 110, 112, 113, 114, 117, 120, 121, 122, 123, 124, 147, 148.
- Collar and shirt manufacture, 170.
- Colored illiterates, *see* illiterates, colored.
- Compulsory education law, 2, 3, 7, 8, 9, 10, 32, 33, 51, 70, 74, 75, 77, 80-85, 100, 101, 123, 138, 139.
- Conditions of employment, *see* moral condition; sanitary conditions.
- Confectionery manufacture, 2, 3, 88, 111, 119, 146.
- Confirmation certificate, Jewish, 142.
- Conkling, Roscoe, 21, 22.
- Conspiracy law, 31.
- Constitution of New York, 18, 19, 22.
- Constitution of the United States, 18, 22.
- Conveyor, 96.
- Convict labor, 2, 4, 27, 31, 35, 39.
- Cotton manufacture, 34, 112, 121, 122, 127.
- Counties in inspection districts, 175, 176.
- Court of Appeals, 18, 21, 22, 89, 91, 93, 94, 95.
- Curtice Brothers, Mull vs., 92.
- Dangerous machinery, *see* machinery.
- Dangerous occupations, 6, 7, 40, 41, 45.
- Defective machinery, *see* machinery.
- Definition of factory, *see* factory, definition of.
- Department of Health of New York City, *see* Board of Health.
- Department of Labor, 3, 88, 140, 141; consolidation of, 68, 106; *see also* bureau of labor statistics, bureau of mediation and arbitration, factory inspector's office.
- Department stores, 38, 65.
- Deputy factory inspectors, *see* factory inspector's office.
- Districts, factory inspection, *see* inspection districts.
- Donohue, Judge, 17.
- Doors, 48, 168, 172.
- Dressing rooms, 55, 144, 155.
- Dust-creating machinery, *see* machinery.
- Educational requirements, 31, 32, 37, 38, 40, 51, 59, 60, 70, 80-85, 115, 132, 139, 141, 142.
- Education law, *see* compulsory education law.
- Eight-hour law, 4, 10, 31.
- Elevators, 10, 48, 49, 57, 90, 92, 168.
- Emery wheel polishing, *see* machinery, dust-creating.
- Employees, number of, 125, 126, 129, 162, 164, 165, 166, 174, 175, 177-187.
- Employer's liability, 2, 3, 68, 69, 89, 90-99.
- Employment bureau, 2.
- Employment certificates, 59-62, 63, 71-78, 96, 99, 119, 120, 139, 140, 141, 142.
- England, 31, 38, 97.
- Evidence of age, *see* age, evidence of.
- Exhibition of children, 5.
- Factories, number inspected, 129, 131, 164, 165, 167.
- Factory, definition of, 52, 58, 66.
- Factory inspection districts, *see* inspection districts.
- Factory inspector's office, 1, 2, 27, 40, 46, 48, 55, 56, 57, 58, 66, 67, 68, 73, 103, 104, 106, 107, 108, 121, 122;

- deputy factory inspectors, 48, 59, 66, 67, 106, 107, 116, 117, 118; female deputy factory inspectors, 55-57, 59, 64, 66, 67, 106; reports of factory inspector, 6, 7, 47, 49, 50, 52, 53, 60, 61, 63, 64, 71, 72, 74, 109, 111, 112, 113, 116, 117, 118, 119, 120, 128, 129, 131, 132, 145, 147, 148, 149, 150, 153, 155, 156, 164, 165, 167, 169, 170, 171; statistics from reports, 174-196.
- Factory law, 204-213; *see also* act of 1897 (ch. 415), act of 1886 (ch. 409); administration, etc.; first, 197, 198; *see also* act of 1886 (ch. 409); posting of, 38, 48, 67, 68, 119.
- Fall River, 34.
- Feather manufacture, 111.
- Female deputy factory inspectors, *see* factory inspector's office.
- Finch, Judge Francis M., 19.
- Fire escapes, 10, 45, 48, 49, 52-54, 55, 103, 104, 168, 171, 172, 173.
- Flowers, manufacture of artificial, 111.
- Foreign illiterates, *see* illiterates, foreign.
- Foster vs. International Paper Co., 103.
- Free Employment Bureau, 2.
- Gallenkamp vs. Garvin Machine Co., 96, 97.
- Garvin Machine Co., Gallenkamp vs., 96, 97.
- Gas manufacture, 111.
- Gerry, Elbridge, 39, 41, 42, 43, 44, 45.
- Glass manufacture, 40, 147.
- Greenpoint, 18, 77.
- Guarding machinery, *see* machinery, guarding of.
- Halls, lighting of, *see* lighting.
- Hartford, Conn., 22.
- Hastings strike bill, 34.
- Health Department of New York City, *see* Board of Health of New York City.
- Health officers, *see* board of health.
- Height of machinery, 112.
- Hemp manufacture, 111.
- Hill, Governor and Lieutenant Governor, 25, 43.
- Holidays, 50, 65; *see also* Saturday half-holiday.
- Hotels, 52.
- Hours of labor, 10, 32, 37, 38, 39, 40, 41, 44, 46, 49, 50, 51, 55, 65, 66, 67, 70, 78, 79, 112, 114, 115, 122, 143, 144, 445-154, 174, 175, 177, 178, 188-196; *see also* eight-hour law.
- Hudson River, 39.
- Hunter, Robert, 86.
- Illiteracy, 9, 74, 87, 111, 112, 114, 116, 119, 132-139, 143.
- Illiterates, colored, 133, 134, 135; foreign, 133, 134, 135, 136, 137, 138; *see also* illiteracy.
- Immigration, 136.
- Immorality, 49, 56, 158.
- Ink manufacture, 111.
- Inspection districts, 108, 128, 130, 174-176.
- Inspection of boilers, 67, 168.
- Insurance, employers' liability, 69.
- Iron, work on, 40.
- Jacobi, Abraham, 39.
- Jacobs, Peter, 31.
- Jewish confirmation certificate, 142.
- Jewish religious record, 142.
- Jute manufacture, 111.
- Jute Mills, Chelsea, *see* Chelsea Jute Mills.
- Knisley vs. Pratt, 91, 92, 97.
- Knitting Mills, 146.
- Labor department, *see* department of labor.
- Labor law, analysis of, 199-203; consolidation of, 68, 106.
- Labor party, *see* Workingmen's Assembly.
- Labor unions, *see* organized labor.
- Landlord, 14.
- Laundry machinery, 171.
- Lead, work on, 40.
- Lederle, Dr., 66.
- Legislature of New York, 12, 15, 19, 22, 24, 25, 28, 29, 30, 31, 32, 35, 36, 40, 41, 42, 43, 44, 50, 52, 53, 54, 62, 63, 64, 76, 87, 88, 106.
- Lehmaier, Marino vs., 95.
- Liability of employers, *see* employer's liability.
- Lien, mechanic's, 4.
- Lighting halls, workrooms, etc., 41, 45, 58, 66, 67, 168.
- Little Falls, 110, 146, 147.
- Long Island, 18, 128.
- Low, Mayor, 66.
- Machinery, cleaning of, 48, 144; dangerous, 40, 41, 45, 67, 96, 97, 98,

- 115, 168; defective, 68, 69, 89, 90, 92, 93, 97; dust creating, 54, 67, 144, 169, 171; guarding of, 10, 48, 49, 54, 57, 90, 91, 94, 95, 97, 103, 170, 171, 173; height of, 112; repairing of, 44, 46, 55.
- Manhattan, 142.
- Map of New York, 176.
- Marino vs. Lehmaier, 95.
- Massachusetts, 31.
- Match factory, 40.
- McNeill's Labor movement, 11, 13, 33, 34.
- Mechanic's lien, 4.
- Men, regulation of employment of, *see* adult men.
- Mercantile establishments, children in, 50, 63-66, 85, 139, 140, 141, 142; women and minors in, 4, 5, 10, 50, 63-66, 158.
- Mercantile law, 63-66, 158.
- Mercury, work on, 40.
- Messengers, 70.
- Millinery, 146.
- Mining, 2, 40.
- Minors, custody of, 5.
- Mohawk River, 39, 121.
- Moral conditions of employment, 5, 6, 7, 10, 13, 48, 49, 154-158, 169.
- Mull vs. Curtice Brothers, 92.
- Municipal court of New York City, 99.
- Negligence, 68, 69, 90-99.
- Negro illiterates, 133, 134.
- Neighborhood Workers, Association of, 86.
- Newaboy, 70.
- New York, map of, 176.
- New York Child Labor Committee, 74, 82, 85, 86, 87, 102.
- New York City, 2, 5, 13, 16, 18, 21, 22, 23, 28, 31, 32, 34, 39, 56, 58, 62, 63, 65, 66, 75, 76, 85, 92, 99, 102, 103, 104, 111, 114, 120, 121, 139, 140, 141, 142, 145, 146, 147, 148, 154, 156, 157, 173, 175.
- New York Commercial Advertiser, 76.
- New York Constitution, *see* constitution of New York.
- New York Mills, 110, 147.
- New York Rubber Co., Simpson vs., 91.
- New York Society for the Prevention of Cruelty to Children, 28, 39, 40, 41, 42, 43, 44, 45, 49.
- New York State Medical Society, 28, 39, 40.
- New York Times, 14, 18, 32.
- New York Tribune, 14, 31.
- Nichols Chemical Co., Burns vs., 92.
- Night schools, 118.
- Night work, 51, 144, 148.
- Noon hour, 41, 48, 49, 58, 169, 173.
- Notary public, 60, 61, 63, 72, 73, 76, 77.
- Number of employees, *see* employees.
- Occupations, dangerous, *see* dangerous occupations; Census classification of, 159, 160.
- Odell, Governor, 76, 87.
- Ohio, 6.
- Organized laborers, 4, 26, 27; political work of, 15, 24, 25, 28, 29, 30, 31, 34-44, 49, 68, 86, 107; *see also* Workingmen's Assembly.
- Oswego, 117.
- Overcrowding, 58, 169.
- Owen, Silas, 61.
- Paper box manufacture, 111.
- Paper collar manufacture, 111.
- Paper manufacture, 147.
- Parent's affidavit, *see* age, evidence of.
- Passport, 78, 142.
- Paul, David A., 17, 18.
- Peck, Charles F., 25.
- Penal Code, 5, 6, 7, 10.
- Pencil manufacture, 111.
- Philanthropic organizations, *see* charitable organizations.
- Physician's certificate, 39, 41, 44, 45, 51.
- Polishing, *see* machinery, dust creating.
- Political Branch of Workingmen's Assembly, 34.
- Political work of organized laborers, *see* organized laborers, political work of.
- Posting of factory law, *see* factory law, posting of.
- Pratt, Knisley vs., *see* Kinsley vs. Pratt.
- Press, Albany, 77.
- Printing press, 95.
- Printing shops, 147.
- Prison labor, *see* convict labor.
- Prosecutions, 53, 61, 71, 73, 75, 77, 100, 101.
- Public health, 11, 13, 16, 17, 20, 22, 23.
- Public school money, 81.
- Pulleys, loose, 90.
- Rag sorting, 40.

- Railroad laborers, wages of, 4.
 Record of baptism, 78, 142; of birth, *see* birth certificate; of confirmation, 142; religious, 78, 142.
 Register of minors at work, 38, 44, 46, 115, 119.
 Reinhardt commission, 62, 63, 64, 65, 75, 76.
 Relays, 38, 39.
 Religious record, 78, 142.
 Repairing machinery, *see* machinery, repairing of.
 Reports, *see* Bureau of labor statistics, reports; factory inspector's office, reports.
 Republicans, 36.
 Risk, doctrine of, 69, 89-99.
 Rochester, 53, 54, 118, 141, 148.
 Roesch, Judge, 101.
 Roosevelt, Governor, 66.
 Rosenthal, Abraham, 26.
 Sailors' Snug Harbor, 103.
 Sanitary conditions of employment, 10, 13, 25, 32, 37, 38, 48, 49, 51, 58, 154-158, 169, 173.
 Saturday half holiday, 51, 79, 148.
 Schenectady, 141.
 School attendance, 116, 117, 118, 119, 123, 124, 132, 143; *see also* compulsory education law; educational requirements; illiteracy, etc.
 School entrance record, 142.
 School law, *see* compulsory education law.
 School requirements, *see* educational requirements.
 School record, 75.
 Seamen, privileges of, 4.
 Seats for women, 4, 5, 10, 144, 158.
 Senate of New York, *see* legislature.
 Senate of the United States, 11, 12.
 Settlements, 28, 85, 86.
 Shirt and collar manufacture, 170.
 Shoe manufacture, 147, 170.
 Silk manufacture, 146, 147.
 Simpson vs. New York Rubber Co., 91.
 Smith, Edward, 117.
 Society for the Prevention of Cruelty to Children, *see* New York Society for the Prevention of Cruelty to Children.
 Stairways, 48, 49, 168, 172.
 Statistics from factory inspector's reports, 174-196; of number of employees, 174, 175, 177-187; of weekly hours of labor, 174, 175, 177, 178, 188-196.
 Steam boilers, inspection of, 67, 168.
 Stores, *see* mercantile establishments.
 Strasser, Adolph, 11, 15, 17, 21.
 Street trades, 70, 71.
 Strike of New York City cigar makers, 12, 14, 15.
 Superintendent of buildings of New York City, 103.
 Superintendent of instruction, 75, 81.
 Supreme Court, 17, 91, 92, 96; *see also* Appellate Division; Court of Appeals.
 Sweat shops, 58, 148.
 Syracuse, 39, 117, 141, 148.
 Teachers, public school, 74, 75.
 Telegraph companies, 87.
 Tenement-houses, 33.
 Tenement-house cigar law, 11-23, 89.
 Tenement-house manufacture, 2, 3, 11-23, 58, 88, 89; *see also* cigar making.
 Textile mills, 147.
 Toilet facilities, 38, 48, 49, 144, 154-158, 173.
 Trades Assembly, *see* Workingmen's Assembly.
 Trade unions, *see* organized laborers.
 Troy, 39, 141, 148, 171.
 Truant officers, 1, 2, 3.
 Truant schools, 8, 9, 81.
 Twenty-third Street, 175.
 United States census, *see* census of the United States.
 United States constitution, *see* constitution of the United States.
 United States Senate, 11, 12.
 University Settlement, 86.
 Unsafe buildings, 58.
 Utica, 39, 110, 141, 147.
 Vacation, 51.
 Vacation certificates, 60, 84, 85, 141.
 Ventilation, 41, 45, 48, 51, 58, 169; *see also* machinery, dust-creating; overcrowding, etc.
 Ventre, Annie, 100.
 Wages, 4, 13, 31, 37, 41, 67, 105.
 Wash-rooms, 48.
 Water-closet, 48, 49, 51, 58, 67, 144, 154, 155, 156, 157, 173.
 White vs. Witteman Lithographic Co., 93, 94.
 Whitehead, Charles E., 31, 32.
 Witteman Lithographic Co., White vs., 93, 94.

- Women, effect of factory law on number employed, 158-167; seats for, *see* seats for women; in stores, *see* mercantile establishments, women and minors in.
- Woollen manufacture, 122, 123, 147.
- Workingmen's Advocate, 11.
- Workingmen's Assembly, 15, 24, 25, 27, 28, 31, 34, 36, 39, 41, 42, 43, 44, 49.
- Workingwomen's Association, 28, 56, 65.

